

# Volvo V90 2025

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**Volvo V90 2025** The 2025 Volvo V90 is expected to continue as a premium luxury wagon, combining Scandinavian design, advanced technology, and strong performance. While Volvo has not yet released full details for the 2025 model year, we can make some educated predictions based on recent updates and industry trends.

## Design & Styling

- Clean, minimalist Scandinavian design with signature Thor's Hammer LED headlights.
- Available in V90 and V90 Cross Country (raised ride height, rugged cladding).
- Premium materials, including sustainable options like recycled textiles and wood trims.

## Powertrain Options

- Mild-Hybrid (B5/B6): 2.0L turbocharged 4-cylinder with 48V mild-hybrid tech (~250–300 HP).
- Plug-In Hybrid (T8 Recharge): 2.0L turbo + electric motor (~400+ HP, ~35+ miles electric range).
- Possible All-Electric Variant? Volvo is shifting toward EVs, but no confirmation yet on an electric V90.

## Technology & Infotainment

- Google Built-In infotainment with voice control, Google Maps, and OTA updates.
- 12.3" Digital Driver Display + 9" or 12" Touchscreen.
- Advanced Safety: Pilot Assist semi-autonomous driving, blind-spot monitoring, and rear cross-traffic alert.

## Interior & Comfort

- Spacious cabin with premium leather, heated/ventilated seats, and massaging options.
- Bowers & Wilkins premium audio system available.
- Large cargo area (up to ~53 cu. Ft with seats folded).

## Safety Features

- Volvo's City Safety suite (AEB, pedestrian/cyclist detection).
- 360° Camera & Pilot Assist for highway driving.
- Expected Release & Pricing
- Launch Date: Likely late 2024 for the 2025 model.
- Starting Price: Around 55,000–60,000 (V90), 60,000–65,000 (V90 Cross Country).

## Competitors:

- Audi A6 All road
- Mercedes-Benz E-Class Wagon
- BMW 5 Series Touring

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## 1. Engine & Performance (Detailed Breakdown)

The 2025 V90 will likely retain its current powertrains with minor efficiency tweaks:

### a) Mild-Hybrid (B5/B6) – Most Common Option

- B5: 2.0L Turbo 4-cyl + 48V mild hybrid → 247 HP, 258 lb-ft

- B6: Same engine, higher boost → 295 HP, 310 IB-FT
- Transmission: 8-speed automatic, AWD standard.
- Fuel Economy: ~23 MPG city / 31 MPG highway (est.).

### b) Plug-In Hybrid (T8 Recharge) – Top Performance

- 2.0L Turbo + Electric Motor + 18.8 kWh Battery
- Total Output: 455 HP / 523 IBFT (current T8 spec, could improve slightly).
- EV-Only Range: ~35–40 miles (EPA).
- Charging: ~5 hours on 120V, ~3 hours on 240V.

### c) Diesel (D5) – Europe Only

- Likely discontinued in the U.S. but may remain in Europe.
- d) Polestar Engineered (Possible High-Performance Trim)
- If Volvo continues this variant, expect:
- Upgraded T8 PHEV (~500 HP)
- ÖH LINS dampers, Brembo brakes, gold seatbelts.

## 2. Trim Levels & Pricing (Estimated)

The 2025 V90 will likely offer three core trims (U.S. market):

Trim	Starting Price	Key Features
Base (B5)	~\$55,000	Leather seats, 12.3" digital cluster, Pilot Assist, 9" touchscreen.
V90 Plus (B6)	~\$60,000	Premium sound, ventilated seats, head-up display, larger infotainment.
V90 Cross Country	~\$62,000	Raised suspension, off-road mode, matte black cladding.
(B6 AWD)		
V90 T8 Recharge	~\$72,000	455 HP, luxury pack, air suspension (optional).
(PHEV)		
Polestar Engineered	~\$85,000	Performance upgrades, exclusive styling.
If Available)		
(Note: Exact pricing TBA by Volvo.)		

## 3. Interior & Tech Upgrades (2025 Changes?)

- New Infotainment? Possible upgrade to Volvo's next-gen Android Automotive OS (faster processor, better AI voice control).
- Augmented Reality HUD (optional on high trims).
- More Sustainable Materials (e.g., NORDICO vegan leather, recycled plastics).
- Advanced Air Purification (already a Volvo staple).

4. Safety & Autonomous Driving

- Pilot Assist 2.5 (enhanced lane-keeping, traffic jam assist).
- Lidar Prepared? Volvo plans to introduce LUMINAR Lidar in future models—could debut in the 2025 V90 for Level 3 autonomy.
- Unseen Road Detection (uses cloud data to warn of hazards).

5. Will There Be a Fully Electric V90?

- Volvo has confirmed all new models from 2025 will be EVs, but the V90 may not get a full BEV version yet.
- Instead, expect a 2026 Volvo ES90 (electric sedan/wagon, based on new SPA2 platform).

6. Competitors Comparison

Model	HP Range	Starting Price	Key Advantage
2025 Volvo V90 design.	247–455 HP	~\$55K	Best safety, PHEV option, minimalist
Audi A6 All road	335 HP (V6)	~\$68K	Quattro AWD, more powerful base engine.
Mercedes E-Class Wagon	255–603 HP (AMG)	~\$70K+	Luxurious, AMG variants available.
BMW 5 Series Touring	(Europe only) 248–523 HP	~€60K	Sportier handling, i5 electric version.

7. Expected Release Date

- Reveal: Late 2024 (for 2025 model year).
- U.S. Availability: Early 2025.'
- Chassis & Platform: SPA (Scalable Product Architecture) Evolution
- Current V90: Uses SPA1 platform (since 2016), shared with XC90/S90.
- 2025 Updates: Likely SPA2 minor revisions (not full redesign), focusing on:
- Stiffer rear subframe for better handling.
- Battery integration (T8 PHEV) moved for improved weight distribution.
- Steel/aluminum mix (62% high-strength steel in current model).

Suspension:

- Front: Double-wishbone (aluminum lower control arms).
- Rear: Integral axle (Composite transverse leaf spring in Cross Country).
- Optional: 4-Corner Air Suspension (T8 models).

2. Transmission & Drivetrain Technicalities

- GEARTRONIC 8-Speed Auto (Aisin AW TG-81SC):
- Torque capacity: 443 IB-FT(B6), 516 IB-FT(T8).
- Shift logic tweaks for 2025: Faster downshifts in "Dynamic" mode.
- AWD System (HALDEX Gen 5):
- Default 95% FWD, can send 50% torque rearward in 0.1 sec.
- Off-Road Mode (Cross Country): Simulates locked center diff via braking.

3. Battery & PHEV System (T8 Recharge)

- Battery: 18.8 kWh (gross), 14.3 kWh usable (Li-ion, 96 cells).
- Cooling: Liquid + refrigerant (maintains 77°F optimal temp).
- Degradation: ~8% over 100k miles (Volvo warranty: 8y/100k mi).
- ERAD (Electric Rear Axle Drive):
- 87 HP / 177 lb-ft permanent magnet motor.
- Disconnect clutch: Decouples for FWD-only efficiency.

4. Aerodynamics & Efficiency Tricks

- Cd: 0.29 (V90), 0.31 (Cross Country) – Notable for a wagon:
- Active Grille Shutters (close at 43+ mph).
- Underbody panels extend 60% coverage.
- Regen Braking: Up to 0.3G deceleration (stronger than BMW PHEVs).

5. Historical Context: V90 vs. Predecessors

Model Year	Key Milestone
2017	1st Gen SPA V90 launched, replaced P3-platform V70.
2020	Mid-cycle refresh: New bumpers, Android Auto added.
2022	T8 Recharge upgraded to 455 HP.
2025	Likely final ICE-powered V90 before EV transition.

6. Criticisms & Potential Drawbacks

- Lagging Infotainment: Current Google system has slow startup (2025 may improve).
- Tight 3rd Row (if equipped): Unlike Mercedes E-Class, Volvo’s optional 3rd row fits only kids.
- PHEV Cargo Penalty: T8 loses 3.1 cu-ft vs B5 due to battery.
- No V8/6-Cylinder: Rivals offer them (AMG E63, Audi RS6).

7. Real-World Ownership Costs (5-Yr Estimate)

Category	B5	T8 PHEV
Depreciation	52% residual	48% residual
Fuel (15k mi/yr)	\$9,100	5,200+600 electricity
Maintenance	\$4,800	\$5,300 (PHEV complexity)
Tires (20")	\$1,200/set	\$1,400/set (heavier)

## 8. Towing & Payload Capacity

- Max Towing: 3,500 l b s (B6), 2,000 l b s (T8 – battery limits).
- Payload: 1,102 l b s (B5), 998 l b s (T8).
- Trailer Prep: \$1,200 option (includes transmission cooler).

## 9. European vs. U.S. Spec Differences

- Lighting: EU gets matrix LED headlights (U.S. DOT limits functionality).
- Engine Options: EU keeps D4 diesel (42 MPG combined).
- Speed Limiters: EU models hard-capped at 112 mph (U.S. 130 mph).

## 10. What Enthusiasts Want (But Won't Get)

- Manual Transmission: Volvo killed manuals in 2017.
  - V60 Polestar ENGINEERED's 415 HP T8 in V90 (unlikely due to weight).
  - Fully Analog Gauge Cluster (digital-only since 2018).
  - Final Thought: Last of a Dying Breed?
  - With Volvo committing to EVs by 2030, the 2025 V90 may be the final ICE-powered generation. Its blend of safety, understated luxury, and wagon practicality makes it unique in a SUV-dominated market.
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